

Please type a plus sign (+) inside this box

+

PTO/SB/05 (03-01)

Approved for use through 10/31/2002. OMB 0651-0032

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains valid OMB control number.

<b>UTILITY PATENT APPLICATION TRANSMITTAL</b>  (Only for new nonprovisional applications under 37 CFR 1.53(b))	Attorney Docket No.	463P106
	First Inventor	Ikuo Ishinabe
	Title	LIGHT WAVE DISTANCE-MEASURING SYSTEM
	Express Mail Label No.	EU227744039US

<b>APPLICATION ELEMENTS</b> See MPEP chapter 600 concerning utility patent application contents.	<b>ADDRESS TO:</b> Commissioner for Patents P.O. Box 1450 Mail Stop: Patent Application Alexandria, VA 22313-1450
1. <input checked="" type="checkbox"/> Fee Transmittal Form (e.g. PTO/SB/17) (Submit an original and a duplicate for fee processing) 2. <input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. 3. <input checked="" type="checkbox"/> Specification [Total Pages <b>20</b> ] (preferred arrangement set forth below) -Descriptive title of the invention -Cross Reference to Related Applications -Statement Regarding Fed sponsored R & D -Reference to sequence listing, a table, or a computer program listing appendix -Background of the Invention -Brief Summary of the Invention -Brief Description of the Drawings (if filed) -Detailed Description -Claim(s) -Abstract of the Disclosure 4. <input checked="" type="checkbox"/> Drawing(s) (35 U.S.C. 113) [Total Sheets <b>5</b> ] 5. Oath or Declaration [Total Sheets <b>1</b> ] a. <input checked="" type="checkbox"/> Newly executed (original or copy) b. <input type="checkbox"/> Copy from a prior application (37 CFR 1.63(d)) (for continuation/divisional with Box 18 completed) i. <input type="checkbox"/> <b>DELETION OF INVENTOR(S)</b> Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b) 6. <input type="checkbox"/> Application Data Sheet. See 37 CFR 1.76	7. <input type="checkbox"/> CD ROM or CD-R in duplicate, large table or Computer Program (Appendix) 8. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary) a. <input type="checkbox"/> Computer Readable Form (CRF) b. Specification Sequence Listing on: i. <input type="checkbox"/> CD-ROM or CD-R (2 copies); or ii. <input type="checkbox"/> paper c. <input type="checkbox"/> Statements verifying identify of above copies
<b>ACCOMPANYING APPLICATION PARTS</b>	
9. <input checked="" type="checkbox"/> Assignment Papers (cover sheet & document(s)) 10. <input type="checkbox"/> 37 CFR 3.73(b) Statement [Power of Attorney] (when there is an assignee) 11. <input type="checkbox"/> English Translation Document (if applicable) 12. <input type="checkbox"/> Information Disclosure Statement (IDS)/PTO-1449 [Copies of IDS Citations] 13. <input type="checkbox"/> Preliminary Amendment 14. <input checked="" type="checkbox"/> Return Receipt Postcard (MPEP 503) (Should be specifically itemized) 15. <input type="checkbox"/> Certified Copy of Priority Document(s) (if foreign priority is claimed) 16. <input type="checkbox"/> Nonpublication Request under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent. 17. <input type="checkbox"/> Other:	

18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:

☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP) of prior application No.: \_\_\_\_\_ / \_\_\_\_\_

Prior application information: Examiner \_\_\_\_\_ Group Art Unit: \_\_\_\_\_

For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

19. CORRESPONDENCE ADDRESS					
<input type="checkbox"/> Customer Number					
Name	Kevin S. Lemack				
Address	Nields & Lemack				
	176 E. Main Street – Suite 7				
City	Westboro	State	MA	Zip Code	01581
Country	US	Telephone	508-898-1818	Fax	508-898-2020

Name (Print/type)	Kevin S. Lemack	Registration No. (Attorney/Agent)	32,579
Signature		Date	August 4, 2003

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC

00746 U.S. PTO  
 10/633967  
 08/04/03

08/04/03  
11324 P.S. PTO

PTO/SB/17 (01-03)

Approved for use through 04/30/2003. OMB 0651-0032

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

# FEE TRANSMITTAL for FY 2003

Effective 01/01/2003. Patent fees are subject to annual revision.

☐ Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$ 790.00

## Complete if Known

Application Number  
Filing Date  
First Named Inventor Ikuo Ishinabe  
Examiner Name  
Art Unit  
Attorney Docket No. 463P106

## METHOD OF PAYMENT (check all that apply)

☒ Check ☐ Credit card ☐ Money Order ☐ Other ☐ None

☒ Deposit Account:

Deposit Account Number 14-0930

Deposit Account Name Nields & Lemack

The Commissioner is authorized to: (check all that apply)

☐ Charge fee(s) indicated below ☒ Credit any overpayments

☒ Charge any additional fee(s) during the pendency of this application

☐ Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.

## FEE CALCULATION

### 1. BASIC FILING FEE

Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description	Fee Paid
1001 750	2001 375	Utility filing fee	750
1002 330	2002 165	Design filing fee	
1003 520	2003 260	Plant filing fee	
1004 750	2004 375	Reissue filing fee	
1005 160	2005 80	Provisional filing fee	
SUBTOTAL (1)			(\$ 750.00

### 2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE

Total Claims	Extra Claims	Fee from below	Fee Paid
8	-20** = 0	18	0
1	-3** = 0	84	0
Multiple Dependent		280	0

Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description
1202 18	2202 9	Claims in excess of 20
1201 84	2201 42	Independent claims in excess of 3
1203 280	2203 140	Multiple dependent claim, if not paid
1204 84	2204 42	** Reissue independent claims over original patent
1205 18	2205 9	** Reissue claims in excess of 20 and over original patent

SUBTOTAL (2) (\$ 0

\*\*or number previously paid, if greater; For Reissues, see above

## FEE CALCULATION (continued)

### 3. ADDITIONAL FEES

Large Entity Small Entity

Fee Code (\$)	Fee Code (\$)	Fee Code (\$)	Fee Description	Fee Paid
1051 130	2051 65		Surcharge - late filing fee or oath	
1052 50	2052 25		Surcharge - late provisional filing fee or cover sheet	
1053 130	1053 130		Non-English specification	
1812 2,520	1812 2,520		For filing a request for ex parte reexamination	
1804 920*	1804 920*		Requesting publication of SIR prior to Examiner action	
1805 1,840*	1805 1,840*		Requesting publication of SIR after Examiner action	
1251 110	2251 55		Extension for reply within first month	
1252 410	2252 205		Extension for reply within second month	
1253 930	2253 465		Extension for reply within third month	
1254 1,450	2254 725		Extension for reply within fourth month	
1255 1,970	2255 985		Extension for reply within fifth month	
1401 320	2401 160		Notice of Appeal	
1402 320	2402 160		Filing a brief in support of an appeal	
1403 280	2403 140		Request for oral hearing	
1451 1,510	1451 1,510		Petition to institute a public use proceeding	
1452 110	2452 55		Petition to revive - unavoidable	
1453 1,300	2453 650		Petition to revive - unintentional	
1501 1,300	2501 650		Utility issue fee (or reissue)	
1502 470	2502 235		Design issue fee	
1503 630	2503 315		Plant issue fee	
1460 130	1460 130		Petitions to the Commissioner	
1807 50	1807 50		Processing fee under 37 CFR 1.17(q)	
1806 180	1806 180		Submission of Information Disclosure Stmt	
8021 40	8021 40		Recording each patent assignment per property (times number of properties)	40
1809 750	2809 375		Filing a submission after final rejection (37 CFR 1.129(a))	
1810 750	2810 375		For each additional invention to be examined (37 CFR 1.129(b))	
1801 750	2801 375		Request for Continued Examination (RCE)	
1802 900	1802 900		Request for expedited examination of a design application	

Other fee (specify)

\*Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$ 40.00

## SUBMITTED BY

Name (Print/Type) Kevin S. Lemack Registration No. 32,579 Telephone 508-898-1818  
Signature Date Aug. 4, 2003

WARNING: Information on this form may become public. Credit card information should not be included in this form. Provide credit card information and authorization on PTO-2038.

This collection of information is required by 37 CFR 1.17 and 1.27. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Washington, DC 20231.

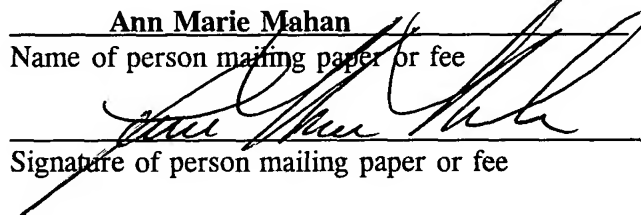
If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants : Ikuo Ishinabe et al.  
Serial No. : Not yet assigned  
Filed : Herewith By Express Mail  
For : LIGHT WAVE DISTANCE-MEASURING SYSTEM  
Examiner : Not yet assigned  
Art Unit : Not yet assigned  
Attorney  
Docket No. : 463P106  
Type of paper : Utility Patent Application Transmittal Form

"EXPRESS MAIL" MAILING LABEL NO. EU227744039US  
DATE OF DEPOSIT: August 4, 2003

I hereby certify that this patent application is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" Service under 37 CFR 1.10 on the date indicated above and is addressed to: Commissioner for Patents, P.O. Box 1450, Mail Stop: Patent Application, Alexandria, VA 22313-1450.

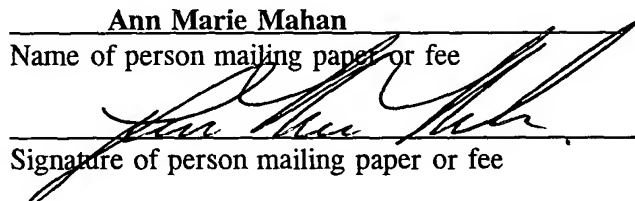
Ann Marie Mahan  
Name of person mailing paper or fee  
  
Signature of person mailing paper or fee

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants : Ikuo Ishinabe et al.  
Serial No. : Not yet assigned  
Filed : Herewith By Express Mail  
For : LIGHT WAVE DISTANCE-MEASURING SYSTEM  
Examiner : Not yet assigned  
Art Unit : Not yet assigned  
Attorney  
Docket No. : 463P106  
Type of paper : Letter

"EXPRESS MAIL" MAILING LABEL NO. **EU227744039US**  
DATE OF DEPOSIT: August 4, 2003

I hereby certify that this patent application is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" Service under 37 CFR 1.10 on the date indicated above and is addressed to: Commissioner for Patents, P.O. Box 1450, **Mail Stop: Patent Application**, Alexandria, VA 22313-1450.

Ann Marie Mahan  
Name of person mailing paper or fee  
  
Signature of person mailing paper or fee

Attorney Docket No. 463P106

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: **Ikuo Ishinabe and Jun-ichi Kodaira**

For: **LIGHT WAVE DISTANCE-MEASURING SYSTEM**

Commissioner of Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

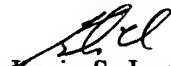
LETTER

The above-identified applicants enclose for filing a patent application entitled "**LIGHT WAVE DISTANCE-MEASURING SYSTEM**". Said attached patent application includes (1) Utility Patent Application Transmittal Letter (1-Page); (2) Patent Application: 20-Page Specification (including 1-Page cover sheet, 2-Pages of Claims (8) and 1-Page Abstract), 5-sheets of A4 size formal drawings and an executed Declaration and Power of Attorney (1-Page); (3) Recordation Form cover sheet (1-Page); Assignment (1-Page); and (4) Fee Transmittal Form, together with a check in the amount of \$790.00 in payment of the filing and recording fees.

All correspondence concerning this application should be mailed to:

**Kevin S. Lemack  
Nields & Lemack  
176 E. Main Street  
Westboro, Massachusetts 01581**

Respectfully submitted,

  
Kevin S. Lemack  
Attorney for Applicant  
Registration No. 32,579

Date: August 4, 2003

**EXPRESS MAIL NO: EU227744039US**

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

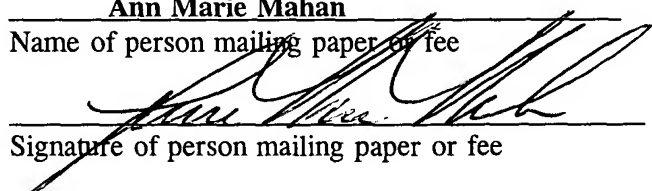
Applicants : Ikuo Ishinabe et al.  
Serial No. : Not yet assigned  
Filed : Herewith By Express Mail  
For : LIGHT WAVE DISTANCE-MEASURING SYSTEM  
Examiner : Not yet assigned  
Art Unit : Not yet assigned  
Attorney  
Docket No. : 463P106  
Type of paper : Fee Transmittal Form, together with a check

"EXPRESS MAIL" MAILING LABEL NO. EU227744039US  
DATE OF DEPOSIT: August 4, 2003

I hereby certify that this patent application is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" Service under 37 CFR 1.10 on the date indicated above and is addressed to: Commissioner for Patents, P.O. Box 1450, Mail Stop: Patent Application, Alexandria, VA 22313-1450.

Ann Marie Mahan

Name of person mailing paper or fee

  
Signature of person mailing paper or fee